FIG.1

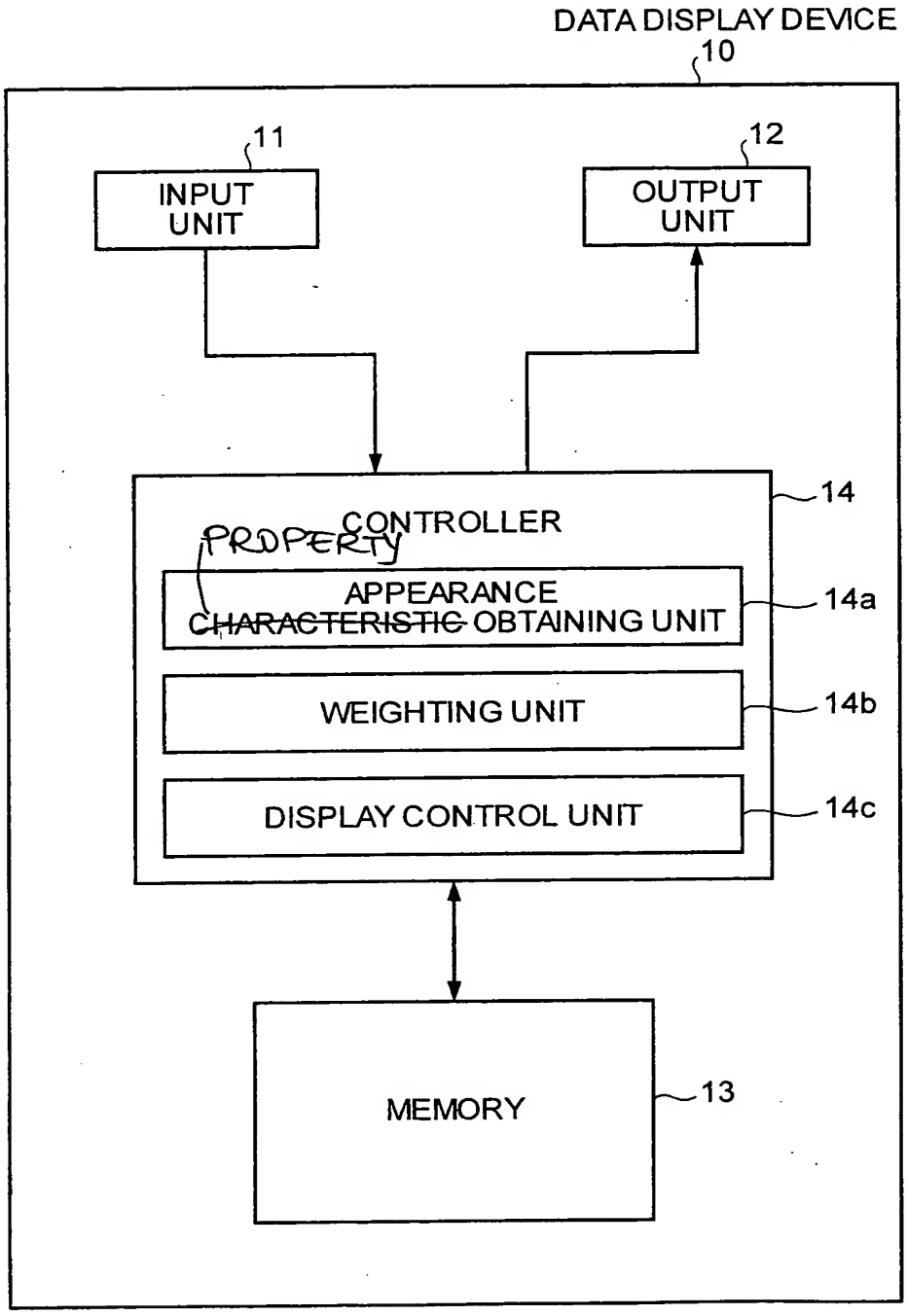


FIG.2

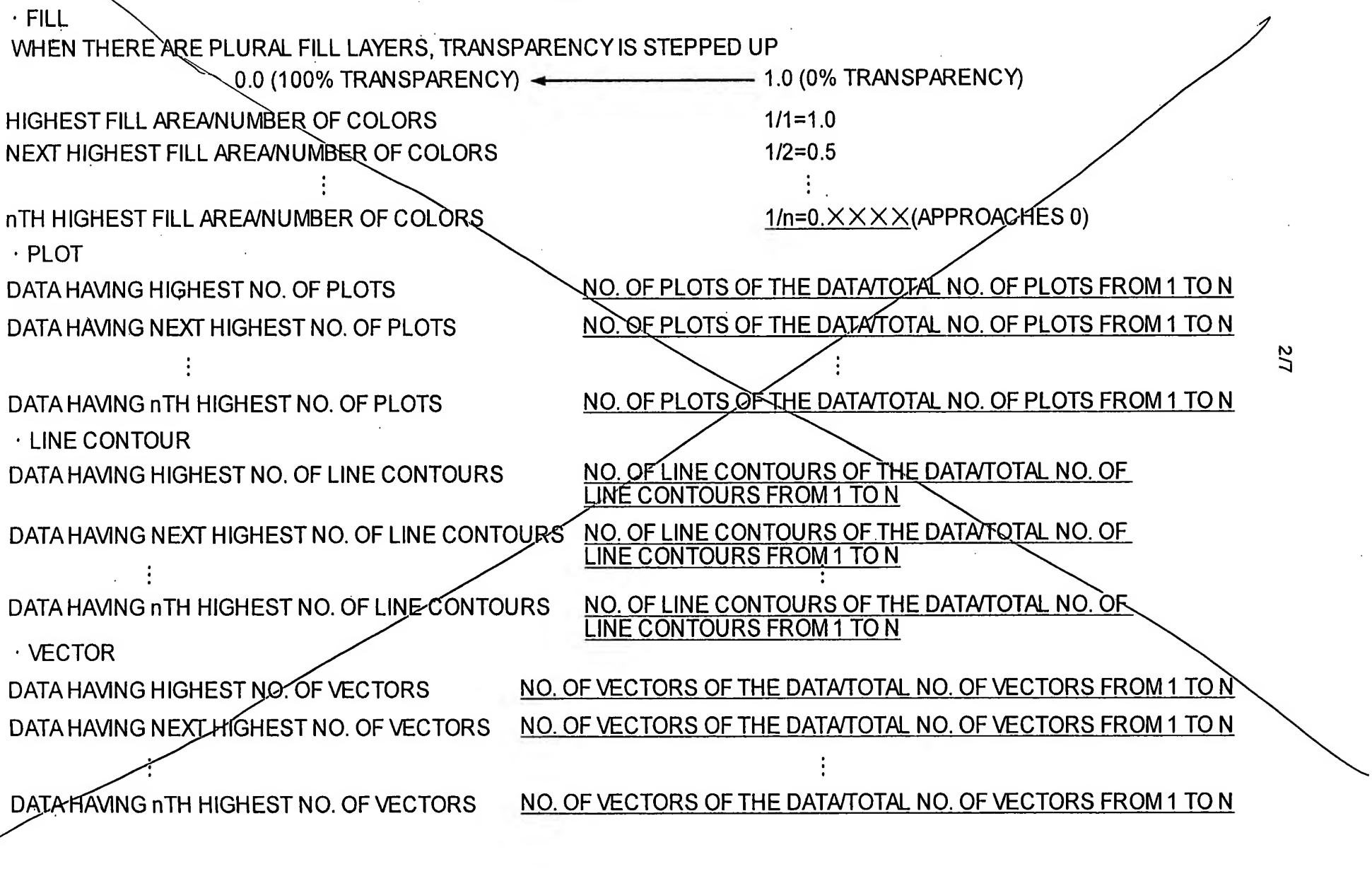
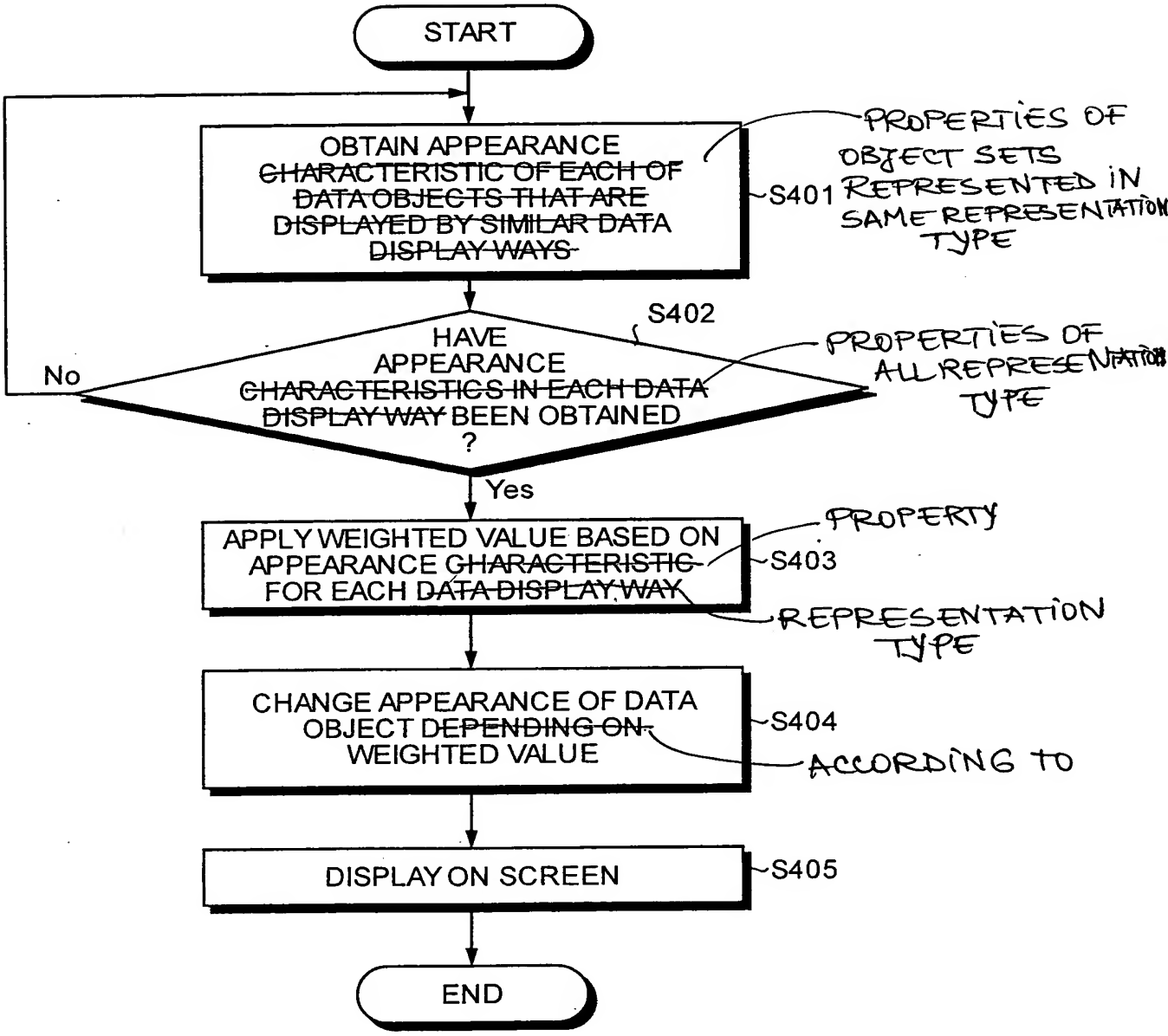

· FILL
WHEN THERE ARE PLURAL FILL LAYERS, TRANSPARENCY IS STEPPED UP
0.0 (100% TRANSPARENCY)
1.0 (0% TRANSPARENCY)
HIGHEST FILL AREA/NUMBER OF COLORS
1/1=1.0
NEXT HIGHEST FILL AREA/NUMBER OF COLORS
1/2=0.5
nTH HIGHEST FILL AREA/NUMBER OF COLORS
1/n=0.XXXX(APPROACHES 0)
· PLOT
DATA HAVING HIGHEST NO. OF PLOTS
NO. OF PLOTS OF THE DATA/TOTAL NO. OF PLOTS FROM 1 TO N
DATA HAVING NEXT HIGHEST NO. OF PLOTS
NO. OF PLOTS OF THE DATA/TOTAL NO. OF PLOTS FROM 1 TO N
DATA HAVING nTH HIGHEST NO. OF PLOTS
NO. OF PLOTS OF THE DATA/TOTAL NO. OF PLOTS FROM 1 TO N
· LINE CONTOUR
DATA HAVING HIGHEST NO. OF LINE CONTOURS
NO. OF LINE CONTOURS OF THE DATA/TOTAL NO. OF LINE CONTOURS FROM 1 TO N
DATA HAVING NEXT HIGHEST NO. OF LINE CONTOURS
NO. OF LINE CONTOURS OF THE DATA/TOTAL NO. OF LINE CONTOURS FROM 1 TO N
DATA HAVING nTH HIGHEST NO. OF LINE CONTOURS
NO. OF LINE CONTOURS OF THE DATA/TOTAL NO. OF LINE CONTOURS FROM 1 TO N
· VECTOR
DATA HAVING HIGHEST NO. OF VECTORS
NO. OF VECTORS OF THE DATA/TOTAL NO. OF VECTORS FROM 1 TO N
DATA HAVING NEXT HIGHEST NO. OF VECTORS
NO. OF VECTORS OF THE DATA/TOTAL NO. OF VECTORS FROM 1 TO N
DATA HAVING nTH HIGHEST NO. OF VECTORS
NO. OF VECTORS OF THE DATA/TOTAL NO. OF VECTORS FROM 1 TO N

FIG. 3

DATA DISPLAY WAY (DATA REPRESENTATION TYPE)	DATA OBJECT (OBJECT SET)	APPEARANCE CHARACTERISTIC (PROPERTY)	WEIGHTED VALUE (VALUE)	
FILL	OBJECT A	FILL AREA = A, NO. OF COLORS = a	1.0	(A/a > B/b)
	OBJECT B	FILL AREA = B, NO. OF COLORS = b	0.5	
PLOT	OBJECT C	NO. OF PLOTS = c	$\frac{c}{c+d}$	(c > d)
	OBJECT D	NO. OF PLOTS = d	$\frac{d}{c+d}$	
LINE CONTOUR	OBJECT E	NO. OF LINES = e	$\frac{e}{e+f}$	(e > f)
	OBJECT F	NO. OF LINES = f	$\frac{f}{e+f}$	
VECTOR	OBJECT G	NO. OF LINES = g	$\frac{g}{g+h}$	(g > h)
	OBJECT H	NO. OF LINES = h	$\frac{h}{g+h}$	

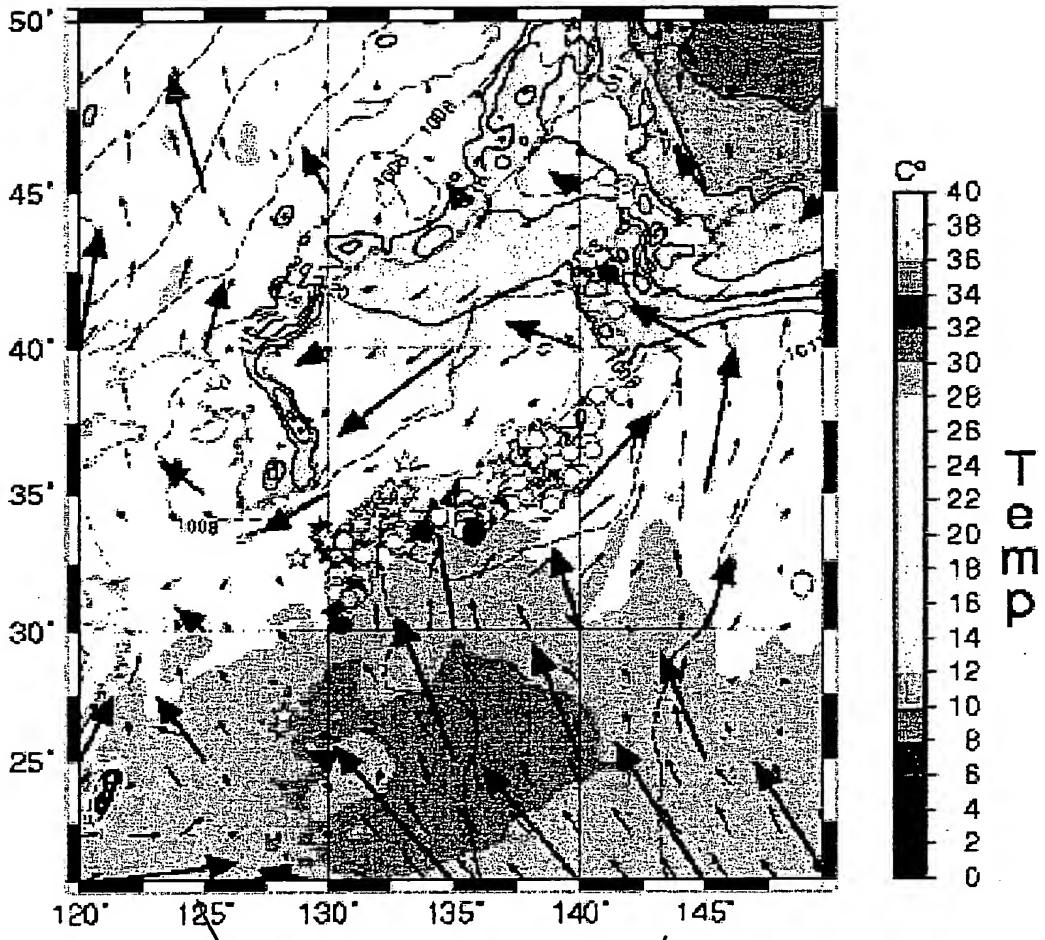
FIG. 4/3


START
OBTAIN APPEARANCE ~~CHARACTERISTIC OF EACH OF DATA OBJECTS THAT ARE DISPLAYED BY SIMILAR DATA DISPLAY WAYS~~
S401
PROPERTIES OF OBJECT SETS REPRESENTED IN SAME REPRESENTATION TYPE
S402
HAVE APPEARANCE ~~CHARACTERISTICS IN EACH DATA DISPLAY WAY~~ BEEN OBTAINED ?
No
PROPERTIES OF ALL REPRESENTATION TYPE
Yes
APPLY WEIGHTED VALUE BASED ON APPEARANCE ~~CHARACTERISTIC~~ FOR EACH ~~DATA DISPLAY WAY~~
S403
PROPERTY
REPRESENTATION TYPE
CHANGE APPEARANCE OF DATA OBJECT ~~DEPENDING ON~~ WEIGHTED VALUE
S404
ACCORDING TO
DISPLAY ON SCREEN
S405
END

~~6/7~~

! COLOR !

FIG.~~5~~ 4



PLOT:☆ (AMEDAS RAINFALL)

PLOT:○(AMEDAS RAINFALL, ☆-DATA OBTAINED 24 HOURS AFTER)

LINE CONTOUR: SOLID LINE (LAND TEMPERATURE DATA, CALIBRATED BY 2(ON A SCALE OF 0 TO 20 DEGREES)

LINE CONTOUR: BROKEN LINE (ATMOSPHERIC PRESSURE DATA, CALIBRATED AT 3 hPA ON A SCALE OF 990 hPa to 1050 hPa)

VECTOR: SMALL ARROW (WIND VELOCITY ON LAND, SCALE: 1 cm = 10 m/s, CALIBRATED AT 2 DEGREES)

VECTOR: LARGE ARROW (WIND VELOCITY AT 950 hPa CALIBRATED AT 5 DEGREES, SCALE: 1 cm = 5 m/s)

FILL1: SURFACE TEMPERATURE

FILL2: RELATIVE LAND TEMPERATURE

5

FIG.6

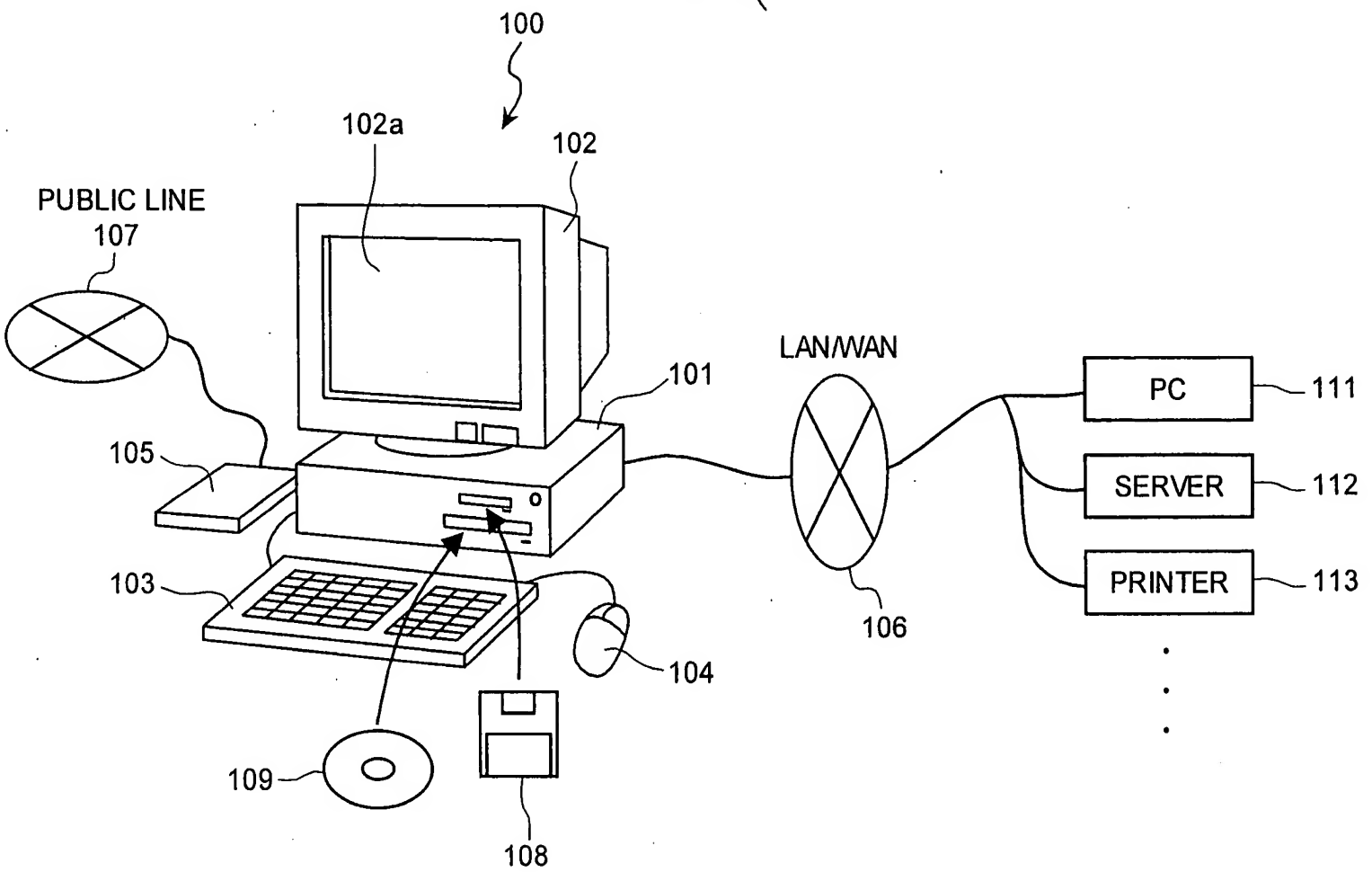
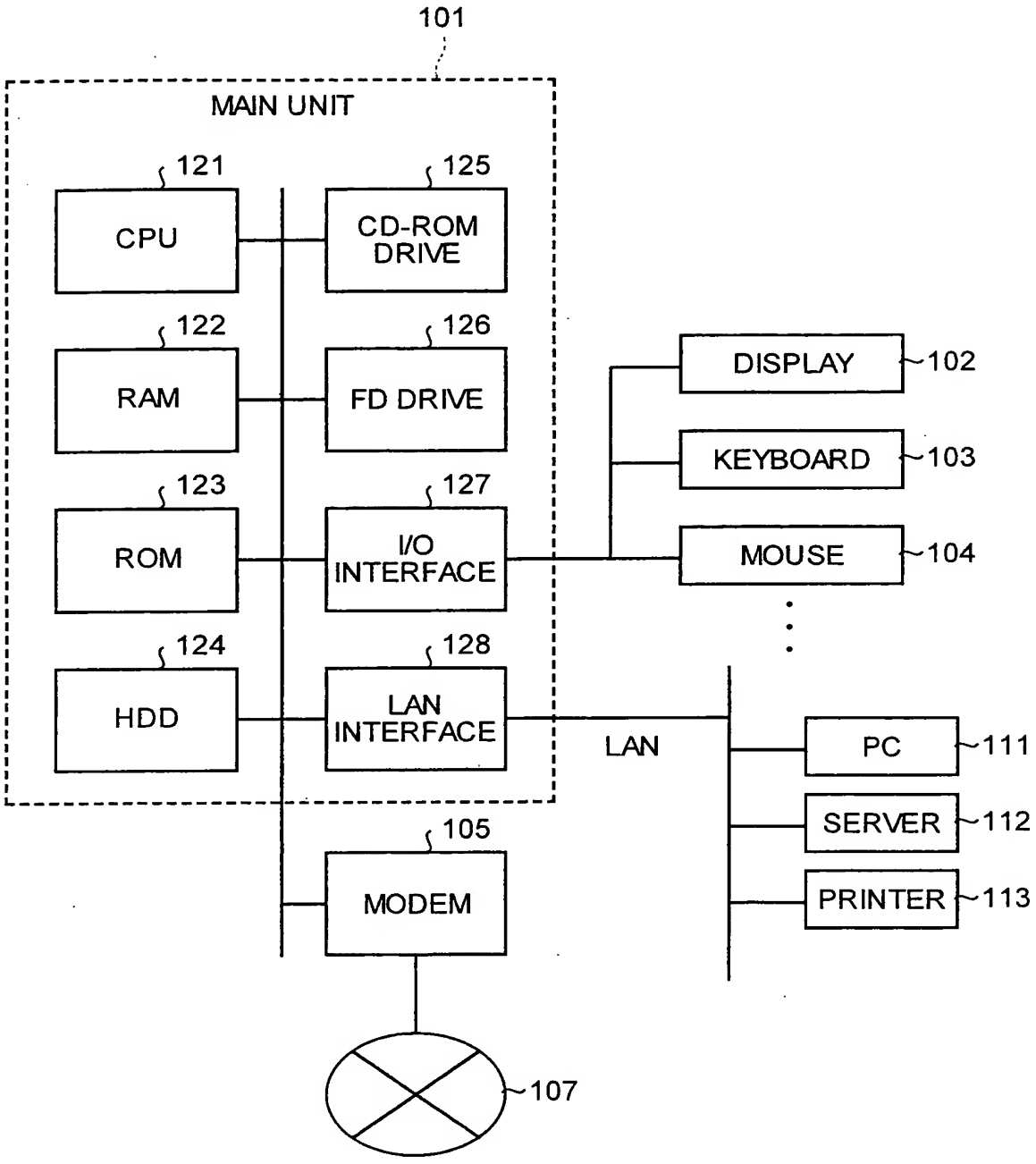

100
102a
102
PUBLIC LINE
107
101
LAN/WAN
PC
111
105
SERVER
112
103
PRINTER
113
106
104
109
108

FIG. 16


101
MAIN UNIT
121
CPU
125
CD-ROM DRIVE
122
RAM
126
FD DRIVE
123
ROM
127
I/O INTERFACE
124
HDD
128
LAN INTERFACE
105
MODEM
107
DISPLAY
102
KEYBOARD
103
MOUSE
104
LAN
PC
111
SERVER
112
PRINTER
113